

steamer of the season passed up the Saint Croix River at Hudson, Wis. Ice in the Red River of the North began to move at Grand Forks, N. Dak., on the 19th, and navigation opened at that point on the 26th. Ice ran out of the Minnesota River at Granite Falls, Minn., on the 6th.

Mississippi River.—At Minneapolis, Minn., ice was passing out of the river on the 2d; 3d, river rising and nearly clear of ice; 5th, a boom 5 miles above the city gave way, and large quantities of ice and logs passed Minneapolis. At Saint Paul, Minn., ice passed out on the 2d, and on the 30th the first boat of the season from Saint Louis, Mo., arrived. At Red Wing, Minn., ice was moving on the 2d; 3d, ice on Lake Pepin reported unsafe for teams; 6th, river clear of ice, and ferryboats resumed trips; 26th, the first raft boat of the

season passed down the river; 28th, the first up river boat of the season passed Red Wing. The river was clear of ice at Saint Cloud, Minn., on the 16th. At La Crosse, Wis., ice began to move on the 2d; 4th, river nearly clear of ice and rising rapidly; the first boat of the season passed through the bridge; 7th, the first boat of the season for up river ports arrived.

Missouri River.—On the 1st the river was high and rising and the ice very rotten at Fort Buford, N. Dak.; 2d, ice gorge opposite the Post broke, and ice ran out rapidly. Ice broke and navigation opened at Bismarck, N. Dak., on the 3d. Ice broke at Pierre, S. Dak., on the 1st; 2d to 10th, running ice; 17th, a steamer passed up the river; 28th, the first steamer of the season from Bismarck, arrived.

ATMOSPHERIC ELECTRICITY.

THUNDERSTORMS.

Description of the more severe thunderstorms reported for the month is given under "Local storms."

Thunderstorms were reported as follows: East of the Rocky Mountains they were reported in the greatest number of states, 21, on the 3d, 6th, and 8th; in 15 to 20 on the 4th, 5th, 7th, 9th to 14th, 18th, 19th, 20th, 25th, 26th, 28th, 29th, and 30th; in 10 to 14 on the 2d, 15th, 17th, 24th, and 27th; and in 5 to 9 on the 1st, 15th, 21st, 22d, and 23d. There were no dates on which thunderstorms were not reported.

East of the Rocky Mountains thunderstorms were reported on the greatest number of dates, 26, in Illinois; on 20 to 25 in Indiana, Kansas, Missouri, North Carolina, Ohio, and Texas; on 15 to 19 in Alabama, Arkansas, Florida, Iowa, Kentucky, Michigan, Mississippi, Pennsylvania, Tennessee, and West Virginia; on 10 to 14 in Louisiana, Maryland, Nebraska, New Jersey, New York, Virginia, and Wisconsin; on 5 to 9 in Connecticut, Massachusetts, Minnesota, Oklahoma, South Carolina, South Dakota, and Vermont; and on one to 4 in Delaware, District of Columbia, Indian Territory, Maine, New Hampshire, North Dakota, and Rhode Island.

West of the Rocky Mountains thunderstorms were reported in California on the 6th, 9th, 22d, and 27th; in Colorado on the 11th, 18th, 22d, 25th, 28th, and 29th; in Idaho on the 22d; in Nevada on the 22d, 23d, and 30th; in New Mexico on the 30th; in Utah on the 22d to 26th, 29th, and 30th; in

Washington on the 3d, 5th, 16th, 22d, and 26th; in Wyoming on the 6th and 7th. In states and territories other than those named no thunderstorms were reported.

AURORAS.

Auroras were reported as follows: 3d, Turin, N. Y. 4th, South Canistota, N. Y. 5th, Camp Dennison, Ohio. 6th, Eastport and Lewiston, Me. 7th, Ada, Minn.; Ericson, Nebr. 8th, Blue Hill, Mass. 9th, Valley Junction, Wis. 11th, Storrs, Conn.; Bar Harbor, Cornish, Eastport, Gardiner, Houlton, Lewiston, and Presque Isle, Me.; North Billerica and Royalston, Mass.; Ada, Minn.; Hanover, Lancaster, Newton, and Plymouth, N. H.; Chelsea, Northfield, and Norwich, Vt.; Sparta, Wis. 12th, Eastport and Houlton, Me.; Bar Harbor and Concord, Mass.; Littleton, N. H. 13th, Caldwell, Mich.; New Brunswick, N. J.; Baldwinsville, N. Y.; Manitowoc, Wis. 14th, Greenhorn, Colo.; Sault Ste. Marie, Mich.; Clear Lake and Fergus Falls, Minn.; Mayville, N. Dak. 15th, Greenhorn, Colo.; Concord, Mass. 16th, Collegeville, Minn.; Medford, Wis. 17th, Collegeville, Minn. 18th, Cornish, Me.; Turin, N. Y.; Chelsea, Vt. 19th, Cornish, East Machias, and Easton, Me.; Hanover and Plymouth, N. H.; Turin, N. Y.; Chelsea, Vt. 20th, Seymour, Ind.; Mayfield, Me. 22d, Greenhorn, Colo.; Lowell, Ohio. 23d, Mayville, N. Dak. 24th, Toms River, N. J. 25th, Pioche, Nev.; Keokuk Falls, Okla. 26th, Eastport, Houlton, Gardiner, and Lewiston, Me.; Turlington, Nebr.; Chelsea, Vt. 28th, Worthington, Ind.; Boon, Mich.; Willmar, Minn.

STATE WEATHER SERVICES.

[Temperature in degrees Fahrenheit; precipitation, including melted snow, in inches and hundredths.]

The following extracts and summaries are republished from reports for April, 1893, of the directors of the various state weather services:

ALABAMA.

Temperature.—The mean was 3.8 above the normal; maximum, 90, at Newburg, 5th; minimum, 32, at Newburg, 22d and 24th; greatest monthly range, 58, at Newburg; least monthly range, 32, at Daphne.

Precipitation.—The average was 1.07 below the normal; greatest monthly, 9.95, at Florence; least monthly, 0.88, at Greensboro.

Wind.—Prevailing direction, south.—P. H. Mell, Observer, Weather Bureau, Auburn, director.

ARIZONA.

Temperature.—The mean was 1.5 above the normal; maximum, 102, at Palomas, 21st; minimum, 15, at Whipple Barracks, 30th; greatest monthly range, 67, at Palomas; least monthly range, 41, at Fort Bowie.

Precipitation.—The average was 0.50 below the normal; greatest monthly, trace, at Tucson; least monthly, 0.00, at all other stations.

Wind.—Prevailing direction, southwest.—W. Burrows, Observer, Weather Bureau, Tucson, director.

ARKANSAS.

Temperature.—The mean was 1.7 above the normal; maximum, 94, at Hot Springs, 4th, and at Fort Smith, 5th; minimum, 29, at Keesees Ferry, 15th; greatest monthly range, 64, at Hot Springs; least monthly range, 43, at Greenville, Miss.

Precipitation.—The average was 2.65 above the normal; greatest monthly, 13.22, at Rogers; least monthly, 8.64, at Fulton.

Wind.—Prevailing direction, south.—F. H. Clarke, Local Forecast Official, Weather Bureau, Little Rock, director.

CALIFORNIA.

Temperature.—The mean was 2.4 below the normal; maximum, 105, at Volcano Springs, 21st; minimum, 10, at Cisco, 7th; greatest monthly range, 64, at Tulare and Pasadena; least monthly range, 19, at Point Lobos.

Precipitation.—The average was 0.80 below the normal; greatest monthly, 12.12, at Crescent City; least monthly, 0.00, at a number of stations in the southern part of the state.

Wind.—Prevailing direction, northwest.—*J. A. Barwick, Observer, Weather Bureau, Sacramento, director.*

COLORADO.

Temperature.—The mean was 3.0 below the normal; maximum, 98, at Minneapolis, 6th; minimum, —12, at Pikes Peak, 19th.

Precipitation.—The average was about 1.00 below the normal; greatest monthly, 7.80, at Climax; least monthly, 0.00, at Monte Vista and Sanborn.—*J. J. Gilligan, Observer, Weather Bureau, Denver, director.*

FLORIDA.

Temperature.—The mean was 2.0 above the normal; maximum, 94, at Mullet Key, 19th, at Orange City, 29th, and at Bristol, 28th; minimum, 44, at New Smyrna and De Land, 1st; greatest monthly range, 47, at Bristol; least monthly range, 19, at Hypoluxo.

Precipitation.—The average was 0.08 below the normal; greatest monthly, 6.08, at Bristol, all of which fell in 24 hours; least monthly, 0.32, at Merritts Island.

Wind.—Prevailing direction, southeast.—*E. R. Demain, Observer, Weather Bureau, Jacksonville, director.*

GEORGIA.

Temperature.—Maximum, 94, at Americus and Darien, 28th; minimum, 30, at Diamond, 24th; greatest monthly range, 56, at Hawkinsville; least monthly range, 46, at Millen.

Precipitation.—Greatest monthly, 6.10, at Piscola; least monthly, 0.75, at Hephzibah.

Wind.—Prevailing direction, southwest.—*Park Morrill, Local Forecast Official, Weather Bureau, Atlanta, director.*

IDAHO.

Temperature.—Maximum, 78, at Payette, 25th; minimum, zero, at Bonanza City, 8th; greatest monthly range, 52, at Lake; least monthly range, 39, at Moscow.

Precipitation.—Greatest monthly, 4.21, at Kootenai; least monthly, 0.25, at Hailey.

Wind.—Prevailing direction, northwest.—*J. H. Smith, Observer, Weather Bureau, Idaho Falls, director.*

ILLINOIS.

Temperature.—The mean was 0.9 below the normal; maximum, 90, at Walnut, 7th; minimum, 21, at Bloomington, 15th.

Precipitation.—The average was 4.86 above the normal; greatest monthly, 16.56, at Pana; least monthly, 3.71, at Riley.

Wind.—Prevailing directions, southeast and northwest.—*John Craig, Observer, Weather Bureau, Springfield, director.*

INDIANA.

Temperature.—The mean was 0.2 below the normal; maximum, 85, at Laconia, 6th; minimum, 25, at Angola, 2d; greatest monthly range, 57, at Valparaiso; least monthly range, 42, at Marion.

Precipitation.—The average was 4.64 above the normal; greatest monthly, 16.60, at Marengo; least monthly, 4.16, at Valparaiso.

Wind.—Prevailing direction, southwest.—*Prof. H. A. Huston, Lafayette, director; C. F. R. Wappenhans, Local Forecast Official, Weather Bureau, assistant.*

IOWA WEATHER AND CROP SERVICE.

Temperature.—The mean was about 4.0 below the normal; maximum, 96, at Glenwood, 6th; minimum, 15, at Eagle Grove and Fort Madison, 9th; greatest monthly range, 74, at Fort Madison; least monthly range, 44, at Sac City.

Precipitation.—The average was 1.50 above the normal; greatest monthly, 8.51, at Fairfield; least monthly, 1.24, at Villisca.

Wind.—Prevailing direction, northwest.—*J. R. Sage, Des Moines, director; G. M. Chappel, Local Forecast Official, Weather Bureau, assistant.*

KANSAS.

Temperature.—The mean was 0.2 below the normal; maximum, 103, at Kiowa, 6th; minimum, 10, at Quinter, 21st, and at Grainfield, 29th; greatest monthly range, 85, at Eureka Ranch and Mankato; least monthly range, 57, at La Crosse.

Precipitation.—The average was 0.78 below the normal; greatest monthly, 8.51, at Columbus; least monthly, trace, at Bucklin, Coldwater, Grinnell, and Mankato.

Wind.—Prevailing direction, northwest.—*T. B. Jennings, Observer, Weather Bureau, Topeka, director.*

KENTUCKY.

Temperature.—The mean was 1.5 above the normal; maximum, 94, at Pellville, 7th; minimum, 21, at Springfield, 23d; greatest monthly range, 68, at Springfield; least monthly range, 32, at Richmond.

Precipitation.—The average was 2.66 above the normal; greatest monthly, 14.80, at Caddo; least monthly, 3.47, at South Fork.

Wind.—Prevailing direction, southwest.—*Frank Burke, Local Forecast Official, Weather Bureau, Louisville, director.*

LOUISIANA.

Temperature.—The mean was about 2.2 above the normal; maximum, 93, at Coushatta, 4th; minimum, 38, at Natchitoches, 15th; greatest monthly range, 54, at Coushatta; least monthly range, 27, at Port Eads.

Precipitation.—The average was about 2.56 below the normal; greatest monthly, 8.87, at Homer; least monthly, 1.10, at New Iberia.

Wind.—Prevailing direction, north.—*R. E. Kerkam, Local Forecast Official, Weather Bureau, New Orleans, director.*

MARYLAND.

Temperature.—Maximum, 92, at Boettcherville, 8th; minimum, 22, at Sunnyside, 24th; greatest monthly range, 59, at Sunnyside; least monthly range, 38, at Cambridge and Great Falls.

Precipitation.—Greatest monthly, 6.75, at Oakland; least monthly, 2.53, at Jewell.

Wind.—Prevailing direction, southeast.—*Dr. William B. Clark, Johns Hopkins University, Baltimore, director; Prof. Milton Whitney, Maryland Agricultural College, secretary and treasurer; C. P. Cronk, Observer, Weather Bureau, in charge.*

MICHIGAN.

Temperature.—The mean was 2.3 below the normal; maximum, 84, at Berrien Springs (a), 7th; minimum, 8, at Bellaire, 2d; greatest monthly range, 60, at Washington, Bellaire, and Caldwell; least monthly range, 34, at Calumet and Escanaba.

Precipitation.—The average was 1.99 above the normal; greatest monthly, 7.72, at Berrien Springs (a); least monthly range, 1.20, at Charlevoix.

Wind.—Prevailing direction, southwest.—*E. A. Evans, Local Forecast Official, Weather Bureau, Detroit, director.*

MINNESOTA.

Temperature.—Maximum, 76, at Camden and Caledonia, 8d; minimum, —3, at Saint Vincent, 14th; greatest monthly range, 63, at Saint Charles; least monthly range, 36, at Ada and Duluth.

Precipitation.—Greatest monthly, 6.96, at Camden; least monthly, 1.30, at Rochester.

Wind.—Prevailing direction, northwest.—*E. A. Beals, Observer, Weather Bureau, Minneapolis, director.*

MISSISSIPPI.

Temperature.—Maximum, 94, at Brookhaven, 10th; minimum, 81, at Lake, 28th; greatest monthly range, 58, at Vaiden; least monthly range, 38, at Briers.

Precipitation.—The average was 2.38 below the normal; greatest monthly, 8.36; at University; least monthly, 1.14, at Meridian.

Wind.—Prevailing direction, south.—*R. J. Hyatt, Local Forecast Official, Weather Bureau, Vicksburg, director.*

NEBRASKA.

Temperature.—Maximum, 100, at Indianola, 1st; minimum, 1, at Fort Sidney, 14th; greatest monthly range, 85, at Lexington; least monthly range, 47, at Kennedy.

Precipitation.—Greatest monthly, 4.10, at Stanton; least monthly, 0.00, at Imperial.

Wind.—Prevailing direction, northwest.—*Prof. Goodwin D. Swezey, Crete, director; G. A. Loveland, Observer, Weather Bureau, assistant.*

NEVADA.

Temperature.—The mean was 6.8 below the normal; maximum, 79, at Belleville, 28d; minimum, zero, at Stofiel, 9th; greatest monthly range, 62, at Sunnyside; least monthly range, 34, at Golconda.

Precipitation.—The average was 0.80 above the normal; greatest monthly, 3.20, at Stofiel; least monthly, trace, at Candelaria.—*Prof. Charles W. Friend, Carson City, director; F. A. Carpenter, Observer, Weather Bureau, assistant.*

NEW ENGLAND.

Temperature.—The mean was 2.2 below the normal; maximum, 78, at Somerset and Mansfield, 14th; minimum, —7, at Fort Kent, 7th; greatest monthly range, 70, at Fort Kent; least monthly range, 25, at Nantucket.

Precipitation.—The average was 0.07 above the normal; greatest monthly, 7.68, at South Dennis; least monthly, 1.20, at Fort Kent.

Wind.—Prevailing direction, northwest.—*J. Warren Smith, Observer, Weather Bureau, Boston, director.*

NEW JERSEY.

Temperature.—The mean was 1.3 above the normal; maximum, 82, at Beverly, 4th; minimum, 19, at Newton, 2d; greatest monthly range, 57, at Tenafly; least monthly range, 31, at Atlantic City and Ocean City.

Precipitation.—The average was 1.74 above the normal; greatest monthly, 7.12, at Toms River; least monthly, 2.97, at Junction.

Wind.—Prevailing direction, southeast.—*E. W. McGann, Observer, Weather Bureau, New Brunswick, director.*

NEW MEXICO.

Temperature.—Maximum, 92, at Roswell, 29th; minimum, 7, at Folsom, 14th; greatest monthly range, 72, at Folsom; least monthly range, 51, at Santa Fe.

Precipitation.—Greatest monthly, 0.50, at Folsom; least monthly, 0.00, at a number of stations.—*H. B. Hersey, Observer, Weather Bureau, Santa Fe, director.*

NEW YORK.

Temperature.—The mean was 1.2 below the normal; maximum, 79, at Geneva, 13th; minimum, 11, at Malone, 2d; greatest monthly range, 61, at Ogdensburg; least monthly range, 35, at Setauket.

Precipitation.—The average was 1.17 above the normal; greatest monthly, 6.92, at Eden Center; least monthly, 1.67, at Lyons.

Wind.—Prevailing direction, northwest.—*Prof. E. A. Fuytes, Dean of the College of Civil Engineering, Cornell University, director; R. M. Hardinge, Observer, Weather Bureau, assistant.*

NORTH CAROLINA.

Temperature.—The mean was 1.9 above the normal; maximum, 95, at Rockingham, 9th; minimum, 21, at Bakersville, 24th; greatest monthly range, 69, at Bakersville; least monthly range, 34, at Southport.

Precipitation.—The average was 1.06 below the normal; greatest monthly, 7.08, at Highlands; least monthly, 0.88, at Littleton.

Wind.—Prevailing direction, southwest.—*Dr. Herbert B. Battle, Raleigh, director; C. F. von Herrmann, Observer, Weather Bureau, assistant.*

NORTH DAKOTA.

Temperature.—The mean was 5.7 below the normal; maximum, 77, at Medora, 23d; minimum, —8, at Milton, 14th; greatest monthly range, 78, at Milton; least monthly range, 41, at University.

Precipitation.—The average was 0.05 above the normal; greatest monthly, 3.98, at Wahpeton; least monthly, 0.10, at Bottineau.

Wind.—Prevailing direction, northwest.—*W. H. Fallon, Observer, Weather Bureau, Bismarck, director.*

OHIO WEATHER AND CROP SERVICE.

Temperature.—The mean was 0.6 above the normal; maximum, 93, at Portsmouth, 7th; minimum, 20, at Auburn, 16th; greatest monthly range, 67, at McInney; least monthly range, 47, at Harbor and Campbellstown.

Precipitation.—The average was 3.29 above the normal; greatest monthly, 9.49, at Georgetown; least monthly, 3.08, at Cleveland.

Wind.—Prevailing direction, southwest.—*L. N. Bonham, Columbus, director; C. M. Strong, Observer, Weather Bureau, assistant.*

OKLAHOMA.

Temperature.—Maximum, 102, at Purcell, 5th, and at Mangum, 6th; minimum, 24, at Guthrie, 24th; greatest monthly range, 74, at Gate City; least monthly range, 58, at Lehigh.

Precipitation.—Greatest monthly, 6.48, at Eufaula; least monthly, 0.01, at Gate City.

Wind.—Prevailing direction, south.—*J. I. Widmeyer, Observer, Weather Bureau, Oklahoma City, director.*

PENNSYLVANIA.

Temperature.—The mean was 0.5 below the normal; maximum, 85, at Johnstown, 8th; minimum, 16, at Columbus, 16th; greatest monthly range, 58, at Hollidaysburg; least monthly range, 38, at Harrisburg.

Precipitation.—The average was 1.47 above the normal; greatest monthly, 6.91, at Clarion; least monthly, 2.95, at Reading.

Wind.—Prevailing direction, west.—*Under direction of the Franklin Institute, Philadelphia; W. P. Tatham, director; H. L. Ball, Observer, Weather Bureau, assistant.*

SOUTH DAKOTA.

Temperature.—The mean was 4.5 below the normal; maximum, 82, at Oelrichs, 6th; minimum, 4, at Bowdle, 14th; greatest monthly range, 78, at Frankfort; least monthly range, 46, at Bear Valley.

Precipitation.—The average was 0.92 above the normal; greatest monthly, 6.85, at Flandreau; least monthly, 0.85, at Piedmont.

Wind.—Prevailing direction, northwest.—*S. W. Glenn, Local Forecast Official, Weather Bureau, Huron, director.*

TENNESSEE WEATHER AND CROP SERVICE.

Temperature.—The mean was 2.0 above the normal; maximum, 92, at Harriman, 9th; minimum, 28, at Newport and Springdale, 24th; greatest monthly range, 62, at Harriman and Springdale; least monthly range, 46, at Bolivar (b), Rogersville, Florence Station, and Fayetteville.

Precipitation.—The average was 0.87 above the normal; greatest monthly, 8.78, at Fayetteville; least monthly, 2.71, at Johnson City.

Wind.—Prevailing direction, south.—*J. B. Marbury, Local Forecast Official, Weather Bureau, Nashville, director.*

TEXAS.

Temperature.—The mean was 4.5 above the normal; maximum, 108, at Twohig, 2d; minimum, 19, at Coldwater, 19th; greatest monthly range, 74, at Coldwater; least monthly range, 27, at Galveston.

Precipitation.—The average was 1.14 below the normal; greatest monthly, 6.47, at Sugar Land; least monthly, 0.00, at several stations.

Wind.—Prevailing direction, south.—*D. D. Bryan, Galveston, director; I. M. Cline, Local Forecast Official, Weather Bureau, assistant.*

UTAH.

Temperature.—The mean was 5.0 below the normal; maximum, 88, at Saint George, 22d; minimum, 1, at Scofield, 8th; greatest monthly range, 66, at Scofield; least monthly range, 42, at Lake Park.

Precipitation.—Greatest monthly, 3.09, at Provo; least monthly, 0.00, at Losee.

Wind.—Prevailing direction, northwest.—*G. N. Salisbury, Observer, Weather Bureau, Salt Lake City, director.*

VIRGINIA.

Temperature.—Maximum, 92, at Dale Enterprise, 8th; minimum, 20, at Avon, 6th; greatest monthly range, 67, at Avon and Dale Enterprise; least monthly range, 40, at Alexandria.

Precipitation.—Greatest monthly, 4.83, at Big Stone Gap; least monthly, 0.84, at Hampton.

Wind.—Prevailing direction, south.—*Dr. E. A. Craighill, Lynchburg, director; J. N. Ryker, Observer, Weather Bureau, assistant.*

WASHINGTON.

Temperature.—The mean was 4.7 below the normal; maximum, 74, at Ellensburg, 26th; minimum, 20, at Waterville, 11th; greatest monthly range, 51, at Ellensburg; least monthly range, 16, at Olga and Vashon.

Precipitation.—The average was 3.04 above the normal; greatest monthly, 13.82, at Neah Bay; least monthly, 1.30, at Fort Simcoe.

Wind.—Prevailing direction, southwest.—*H. F. Alciatore, Observer, Weather Bureau, Olympia, director.*

WEST VIRGINIA.

Temperature.—Maximum, 92, at Point Pleasant, 7th; minimum, 20, at Davis, 24th; greatest monthly range, 66, at Marlinton; least monthly range, 48, at Spencer.

Precipitation.—Greatest monthly, 8.98, at Pleasant Hill; least monthly, 2.91, at Marlinton.

Wind.—Prevailing direction, southwest.—*W. W. Dent, Observer, Weather Bureau, Parkersburg, director.*

WISCONSIN.

Temperature.—The mean was about 4.0 below the normal; maximum, 85, at Sharon, 7th; minimum, zero, at Butternut, 23d; greatest monthly range, 65, at Janesville; least monthly range, 37, at Bayfield.

Precipitation.—The average was 2.00 below the normal; greatest monthly, 6.67, at Raymond; least monthly, 1.76, at Bayfield.

Wind.—Prevailing direction, northeast.—*W. L. Moore, Local Forecast Official, Weather Bureau, Milwaukee, director.*

WYOMING.

Temperature.—Maximum, 76, at Wheatland, 3d, and at Lusk, 6th; minimum, 1, at Arland, 20th; greatest monthly range, 70, at Wheatland; least monthly range, 44, at Fort Yellowstone.

Precipitation.—Greatest monthly, 3.16, at Lander; least monthly, 0.32, at Laramie.

Wind.—Prevailing direction, west.—*E. M. Ravenscraft, Observer, Weather Bureau, Cheyenne, director.*

METEOROLOGICAL TABLES.

Meteorological record of voluntary and other co-operating observers, April, 1893.

Stations.	Temperature. (Fahrenheit.)			Precip'n.		Stations.	Temperature. (Fahrenheit.)			Precip'n.	
	Max.	Min.	Mean.				Max.	Min.	Mean.		
<i>Alabama.</i>	°	°	°	<i>Ins.</i>		<i>Alabama—Cont'd.</i>	°	°	°	<i>Ins.</i>	
Alco	88	41	69.6	1.19		Daphne†	81	49	65.6	3.44	
Bermuda*†	85	42	68.3	2.55		Decatur†	81	49	65.6	8.41	
Birmingham†	88	39	66.8	2.80		Demopolis†	87	48	68.3	1.20	
Brewton†	86	46	67.8	2.20		Elba*†	88*	43*	68.4*	2.48	
Camden*†	84	48	70.9	4.57		Eufaula†	88	43	68.4*	1.37	
Carrollton†	85	51	68.6	2.21		Florence†	88	34	64.8	7.23	
Citronelle†	85	51	68.6	4.21		Florence†	88	34	64.8	9.95	
Claiborne Landing†	85	51	68.6	4.21		Gadsden†	88	41	68.6	5.64	
Clanton†	85	51	68.6	4.21		Greensboro†	88	41	68.6	6.88	
Cordova†	85	51	68.6	4.21							

Meteorological record of voluntary observers, &c.—Continued.

Stations.	Temperature. (Fahrenheit.)			Precip'n.		Stations.	Temperature. (Fahrenheit.)			Precip'n.	
	Max.	Min.	Mean.				Max.	Min.	Mean.		
<i>Alabama—Cont'd.</i>	°	°	°	<i>Ins.</i>		<i>Alabama—Cont'd.</i>	°	°	°	<i>Ins.</i>	
Healing Springs†	82	39	59.4	3.35		Newberg†	90	32	65.0	5.79	
Highland Home†	85	44	68.4	3.64		Newton†	89	42	68.2	3.67	
Livingston†	88	40	66.8	0.91		Oxanna*†	83	40	66.5	4.18	
Livingston†	88	40	66.8	0.73		Scottsboro	84	36	62.7	7.85	
Lynn†	86	34	62.8	7.63		Seima†	84	36	62.7	3.17	
Lynn†	86	34	62.8	7.63		Sturdevant†	84	36	62.7	4.73	
Maple Grove†	84	35	63.9	6.10		Talladega†	84	36	62.7	4.19	
Marion†	84	40	63.5	1.52		Talladega Falls†	84	36	62.7	4.46	
Maysville†	84	40	63.5	9.22		Tuscaloosa†	84	36	62.7	2.61	
Mount Willing†	87	43	70.2	2.83		Tuscumbia*†	86	39	63.1	8.36	
Newbern†	86	40	67.3	1.04		Tuscumbia†	86	39	63.1	9.13	